

**STATE OF WASHINGTON  
DEPARTMENT OF FISH & WILDLIFE  
LANDS AND RESTORATION SERVICES PROGRAM  
Salmonid Screening, Habitat Enhancement &  
Restoration Division (SSHEAR)**

**OFF-CHANNEL SITE INVENTORY DATA**

**General Information:**

**Region:** North Coast

**Observer(s):** Powell

**River System:** Sol Duc

**Date:** 1/27/98

**Site Identifier:** S-307L-03

**WRIA:** 20.0309 G (P)

**River Mile Location:** 1.2 mi (hip chained)

**RB/LB:** LB

**Local Name:** Hereford Creek

**Trib. to:** Shuwah Cr (20.0307)

**Legal Description:** SW¼ Sec15 T29N R13W

**County:** Clallam

**Habitat Type:** Spring Channel

**Landowner:** ☐ Federal ☐ State ☐ County ☐ Other Government ☒ Private  
- Rayonier Timber Operating Co.

**Directions to site:**

Starting at Forks (Tillicum Park) drive north on Highway 101 for 5.3 miles (mp 197). Take a right on Maxfield Road and follow 0.65 mi to the logging road gate. A key to the gate can be obtained at the Rayonier Timber Office or DNR. Continue straight (crossing Shuwah Cr) for 0.3 mi, there will be a road to the right with a gate (key can be obtained from the Rayonier Timber Office). Go through the gate and follow road ~0.3 mi, there will be an east-west timber edge and adjacent (south) clear-cut. Follow this timber/clear-cut edge to the west (~350 m); channel should be apparent.

**Site Overview:**

This a small, shallow spring channel that flows through dense brush. It may provide high water refuge. Low flows may be a limiting factor.

**Habitat Information:**

**Water source:** Springs and terrace runoff

**Intermittent/year-around:**

- Probably intermittent

**Estimated flows (cfs):** 1

**Water temperatures:** Did not take

**Adjacent stream temperature:** 7.0° C (20.0307)

**Other water observations:**

- During the initial survey, the river system was experiencing high flows due to recent rainfall.

**Site area measurements:** ☐ Indirect ☒ Direct ☐ Combination

Widths: Channel- 1.0 m - 3.0 m      Ponds- NA      Wetlands- 1.0 - 3.0

Depths: Channel- 2.5 cm - 8 cm      Ponds- NA      Wetlands- 2.5 cm - 8 cm

Total length (includes ponds and wetlands): 415 m

**Total existing habitat area (est.):** 690 m<sup>2</sup>

Spawning area: 0

Impounded area: 0

Other rearing area: 690 m<sup>2</sup>

**Spawning Habitat conditions:** (X) None ( ) Poor ( ) Fair ( ) Good ( ) Excellent

**Describe spawning habitat:**

- The lower reach has a fine sediment substrate with patches of gravel.
- The mid and upper reaches have a mud substrate with traces of gravel.

**Rearing habitat conditions:** ( ) None ( ) Poor (X) Fair ( ) Good ( ) Excellent

**Describe pond and other rearing habitat:**

- This stable, spring system may offer limited high water refuge.
- Depths in this channel are shallow.
- This channel is concealed in brush.
- The channel has blow-down and small woody debris as cover.
- There is some overhead canopy of alder and conifer.
- Springs seep throughout this channel.
- Low flow could be a limiting factor.

**Describe inaccessible habitat:**

**Describe wetland:** ( ) Bog ( ) Marsh ( ) Scrub-shrub Wetland (X) Forested Wetland

- The upper reach has alder, brush, skunk cabbage and water parsley.

**Flooding potential:** (X) Low ( ) Medium ( ) High

**Fish Information:**

**Site entry condition to (Shuwah Cr. 20.0307):** (X) Poor ( ) Fair ( ) Good

- The channel egresses under a pile of small woody debris than flows into a rocky bar on Shuwah Creek.

**Coho access and use:**

Juvenile- (X) Unknown ( ) None ( ) Poor ( ) Fair ( ) Good

Adult- (X) Unknown ( ) None ( ) Poor ( ) Fair ( ) Good

**Other species access and use:** ( ) Chum ( ) Pink ( ) Sockeye ( ) Chinook (X) Trout

- Resident trout would likely use this channel if low flow is not a problem.

**Habitat Improvements:**

**Enhancement opportunities:**

- Continue monitoring flows?

**Additional Comments:**

**Attachments Available:**

**Contact respective SSHEAR habitat biologist for the following checked items:**

- |                      |                      |                       |                    |
|----------------------|----------------------|-----------------------|--------------------|
| (X) Aerials          | (X) Sketch           | (X) Maps              | ( ) Culvert Report |
| ( ) Other references | ( ) Spawning surveys | ( ) Juvenile trapping | ( ) Fishway Report |

**NORTH COAST OFF CHANNEL SURVEY**  
**SUBSEQUENT SITE EVALUATION FORM**

**River System:** Sol Duc

**Site No.:** S-307L-03

**Site Name:** Hereford Cr.

**WRIA:** 20.0309G

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**DATE:** 3-2-99

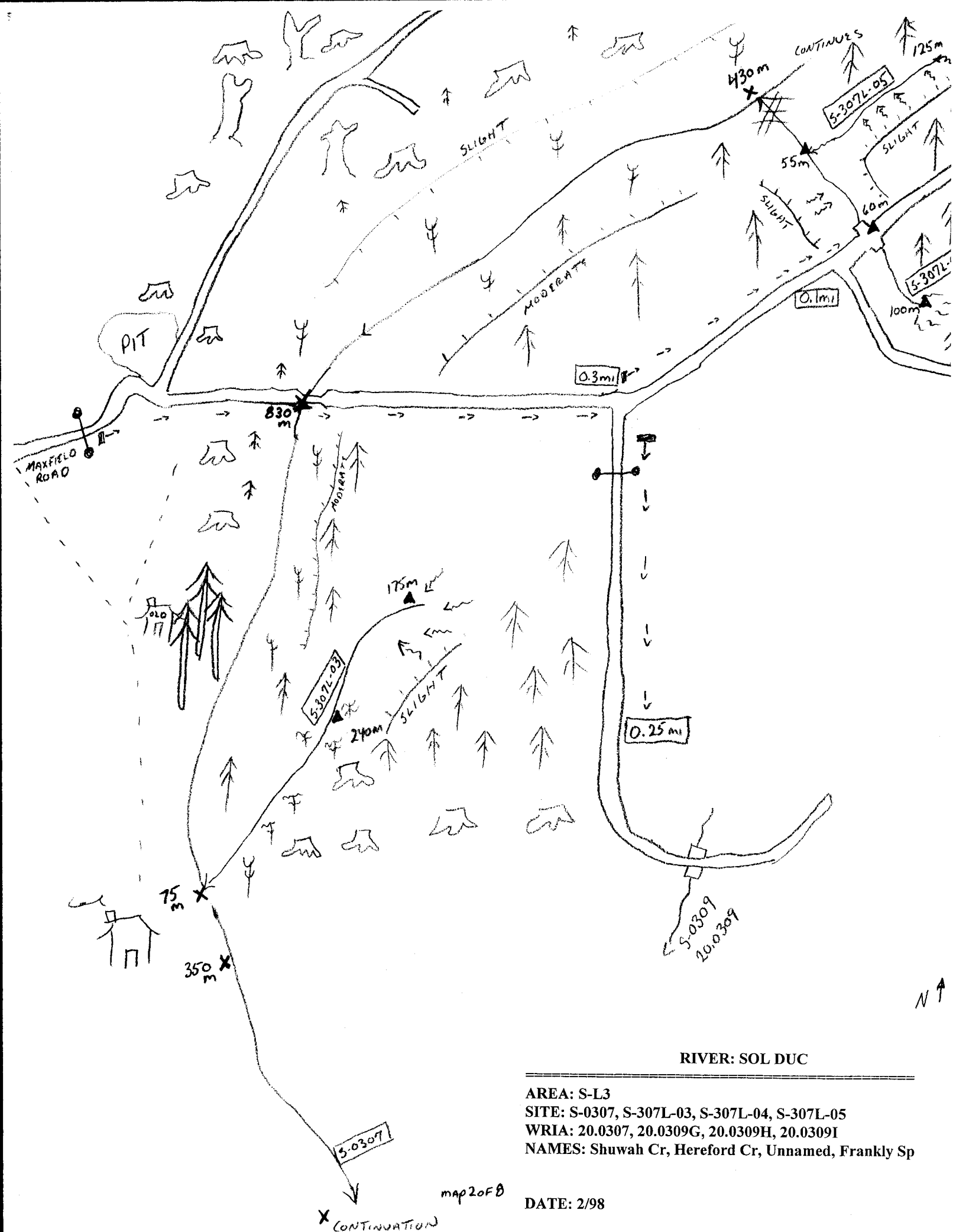
**OBSERVER:** Darrow

**MINNOW TRAPPING REPORT**

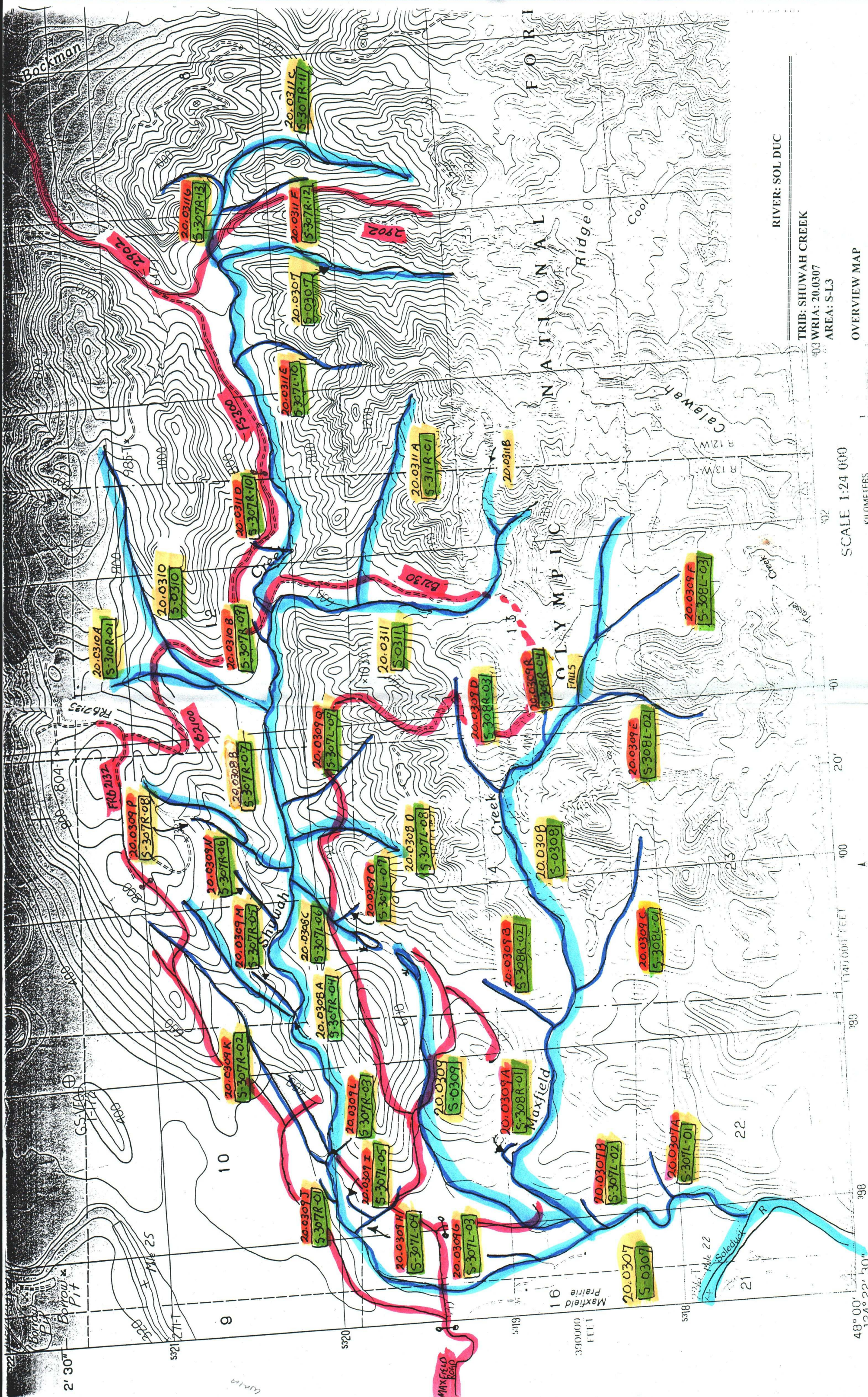
TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT			
						RBT	CUTT	0+	
1	3/1	8.0°C	3/2	8.0°C	0	0	0	0	0
2	3/1	8.0°C	3/2	8.0°C	0	0	0	0	3
3	3/1	8.0°C	3/2	8.0°C	2	0	1	0	0
4	3/1	8.0°C	3/2	8.0°C	6	0	3	0	7
<b>TOTALS:</b>					8	0	4	0	10

**COMMENTS:**

- Trap 1 was placed at the top end of the system, in an area of numerous perks and rivulets forming a shallow pool inside the timber.
- Trap 2 was placed ~ 20 m downstream of trap 1.
- Trap 3 was placed ~ 12 m downstream of trap 2. Location is still in upper end of channel.
- Trap 4 was placed downstream of trap 3 - adjacent to timber cut edge.







RIVER: SOL DUC

TRIB: SHUWAH CREEK

WRIA: 20.0307

AREA: S-L3

OVERVIEW MAP

1998

SCALE 1:24 000

KILOMETERS  
METERS

48° 00' 124° 22' 30"

UNITED STATES GEOLOGICAL SURVEY



# RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

